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(54) **Diamond cutting blades and discs**

(57) The finding regards diamond cutting blades and discs, to be employed in the field of working stone such as granite, marble, limestone, basalt, lava stone, tufa, slate, sandstone, travertine and the like; the cutting of these materials occurs by means of the diamond tools

(1) which, with the rubbing on the stone and due to abrasion, realises the required cut. Such blades and discs are characterised in that the diamond segments (3) composing the so-called "teeth" are attached in removable manner on the support (2), whether this is composed of a laminar body or a steel disc.

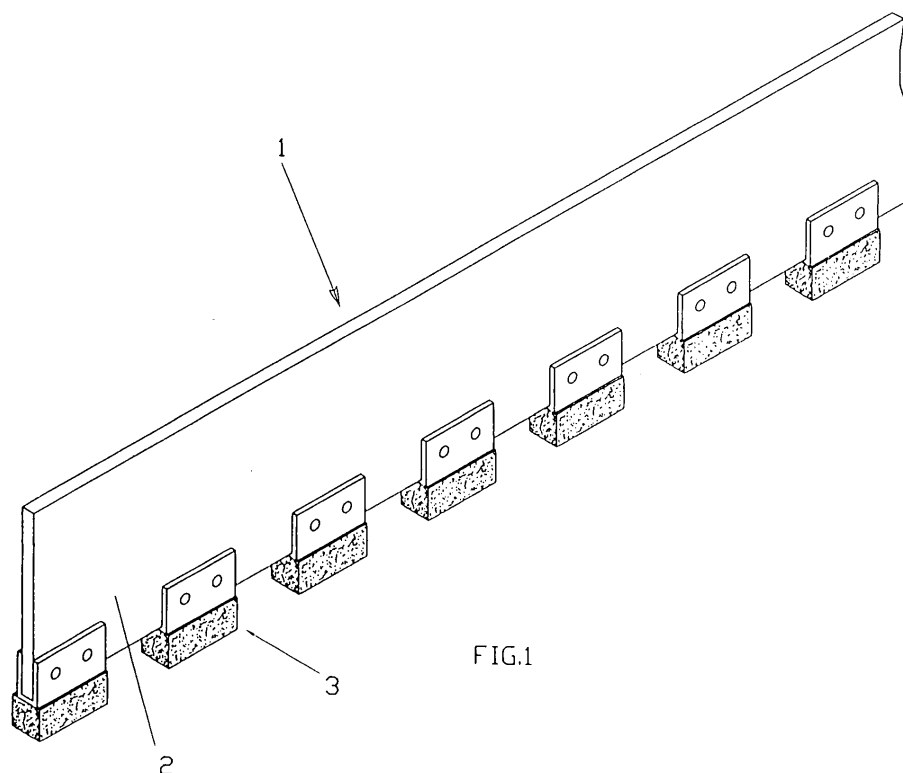


FIG.1



European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	IT 1 247 164 B (SIMEC SPA) 12 December 1994 (1994-12-12) * the whole document *	1-3	INV. B24D7/06 B24D5/06 B28D1/12
X	FR 1 026 618 A (LOUIS-JEAN LECLERCQ) 29 April 1953 (1953-04-29) * the whole document *	1,4-6	
X	FR 1 093 114 A (CANDIDO DE TENA Y TENA) 2 May 1955 (1955-05-02) * the whole document *	1-3	
X	JP 58 094914 A (OISHI ENGINEERING KK) 6 June 1983 (1983-06-06) * abstract *	1-3	
			TECHNICAL FIELDS SEARCHED (IPC)
			B24D B28D
The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 24 November 2006	Examiner Eschbach, Dominique
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 06 00 1486

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
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24-11-2006

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
IT 1247164	B	12-12-1994	NONE	
FR 1026618	A	29-04-1953	NONE	
FR 1093114	A	02-05-1955	NONE	
JP 58094914	A	06-06-1983	JP 1639837 C	18-02-1992
			JP 2053170 B	15-11-1990